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TEST PIT LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/5-2009

FEATURE No TP123

SHEET 1 of 1

DATE EXCAVATED 28/01/10

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Embankment 9 COORDINATES 486980.4 E; 7080818.6 N

PROJECT No FG5825 SURFACE R.L. 119.29 DATUM AHD SYSTEM MGA94

JOB No 12B/10A/901 EQUIPMENT TYPE AND MODEL Hitachi 5T Tracked Excavator BUCKET SIZE 450mm

DEPTH (m)	R.L. (m)	METHOD	USC WEATHERING	SOIL DESCRIPTION	DCP LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
				SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components				
				ROCK DESCRIPTION				
				ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions				
0	119.29				0 4 8 12 16 >20			
119.09	118.99	ML		SILT with Gravel (Topsoil) Pale brown, dry, firm. Low plasticity; trace sand; rootlets; gravel fraction is fine to medium grained, sub-angular to round, mixed origin.		LL = 56; PI = 23; LS = 11; MC = 20.9%; WPI=1550	A	D,Bulk
		CI		Sandy SILT (Colluvium) Pale brown, dry, stiff. Trace fine to medium gravel; sand fraction is fine to medium grained; trace rootlets.				
118.39		MH		SILT with clay and gravel (Colluvium) Pale yellow brown to orange brown, dry, very stiff. High plasticity; trace fine to coarse sand; gravel fraction comprises fine to coarse grained, angular to sub-angular, phyllite and quartz; phyllite gravels are tabular; trace cobble sized quartz; trace rootlets.		FSU(Su) unable to push Shear vane LL = 52; PI = 23; LS = 9.4; MC = 20.8%; WPI=2087	B	D,Bulk
		CH		Silty CLAY (Colluvium) Pale grey, pale brown and mottled pale orange, dry, stiff to very stiff. High plasticity; trace fine to coarse quartz and phyllite gravel; iron nodules; phyllite is sub-angular to sub-rounded; quartz is sub-angular to angular.				
117.39		CI		Gravelly CLAY (Colluvium) Pale to dark grey, dark brown with red brown mottling, dry, stiff to very stiff. Gravel fraction is comprised of fine to medium grained quartz and phyllite; trace clay; possible organic material within matrix.				
116.59		MH		SILT (Colluvium) Red to orange brown with pale grey mottling, dry, very stiff. Low plasticity; trace gravel; gravel is fine to medium grained, sub-angular to sub-rounded, comprised of quartz and iron nodules; occasional dark grey flecks. Below 3.3m: Becoming slightly moist.	LL = 37; PI = 14; LS = 8.4; MC = 17.9%; WPI=1049	C	D,Bulk	
115.74				Excavation terminated at 3.55m		LL = 53; PI = 25; LS = 13.6; MC = 18.5%; WPI=2102	D	D,Bulk
115.29								

Testpit Profile



Excavated Material



REMARKS NOTE: Query origin of material. Possible slope debris / colluvium due to disturbed structure and heterogeneous matrix;
FSV= Field shear vane (Peak/residual);

LOGGED BY
BJD